



## Exercise 6: Final Project Rough Draft

Review the final project instructions. Put together a preliminary rough draft of your final report. This is intended to be a planning exercise, not that you should have your project complete (though it makes the report easier to write if you put it in present/past tense instead of putting in “should” and “shall”).

As you work through the draft final report, note where you might have trouble. Make a list of the tasks you want to complete for the project. Make a list of the minimum viable project and any blocking items (unacquired hardware, difficulty with toolchains).

Include any relevant pieces from past assignments (such as the state machine documentation from the recent exercise).

Turn in your document or a link to a github document before 9am on Saturday.

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## Exercise 6 Grading Rubric

Review the report from your peers.

Grade them according to the following rubric. Note that the scale is flexible and the score assignment may be between levels.

When giving feedback, remember that you are talking to a person who worked on the assignment, not a robot who needs correcting. The goal is to help them understand how it would work better for you.

Criteria	1 - Needs Improvement	2 - Meets Expectations	3 - Exceeds Expectations
Project will minimum project goals	Any project goals are not met.	All project goals are met. The state machine may be basic.	Additional sensors, actuators. Well documented and implemented state machine. Comprehensive command line on serial port.
Clear intentions	Even with explanation, the document is difficult to interpret. Project requirements are poorly represented.	Some guesswork or explanation is required but the document describes a system that makes sense.	Report makes the system clear and seems technically correct.
Originality and scope of goals	Report indicates the project will be the bare minimum to meet the goals, showed no originality.	Some areas of interest were noted in the report but they were minor extensions of the existing examples.	The project has the potential to go far beyond the requirements to make something novel and awesome.

Doable	There is no way this system can be built in the time allotted and there is no minimum viable system.	System described in the report is probably possible to build.	Report shows a well-thought out approach that will meet the class criteria early but will be extendable to something more.
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